

6. Claims

1. An information processing system comprising an information processing apparatus which is used to operate a plurality of applications to request data input/output from a storage; and a management host which manages said storage,

wherein said storage and said information processing apparatus constitute an access process section for processing an access request from said application;

wherein said information processing apparatus comprises an access monitoring section which monitors an access request from said application and obtains information about said access request for each of said applications; and

wherein said management host comprises:

an acceptance section which accepts specification of a new application;

an estimated load calculation section which calculates estimated load data in case of addition of said new application based on information obtained by said access monitoring section; and

a load data output section which outputs estimated load data calculated by said estimated load calculation section.

2. The information processing system according to claim 1,

wherein said management host comprises a current load calculation section which calculates current load data based on information obtained by said access monitoring section; and

wherein said estimated load calculation section calculates estimated load data in case of addition of said new application based on current load data calculated by said current load calculation section and based on information obtained by said access monitoring section.

3. The information processing system according to claim 1,

wherein said access process section comprises at least first and second access process sections for processing different phases of said access request; and

wherein said estimated load calculation section calculates each of estimated load data in said first access process section and estimated load data in said second access process section when a new application is added.

4. The information processing system according to claim 3,

wherein each of said first and second access process sections includes a plurality of configurations having similar functions;

wherein said configurations for said first and second access process sections comprise a configuration information storage section which stores information about available combinations capable of processing said access request; and

wherein said estimated load calculation section calculates estimated load data with respect to said available combinations of said configurations for said first and second access process sections.

5. An information processing system comprising a storage which stores a database, a plurality of information processing apparatuses which are used to operate an application requesting data input/output from said storage, and a management host which manages said storage,

wherein said information processing apparatus comprises:

a database management system which processes an access request from said application to said database;

an access monitoring section which monitors an access request sent from said application to said database management system and obtains information about said access request; and

an access information output section which collects information about said access request and adds up said information correspondingly to said application, and

wherein said management host comprises:

an acceptance section which accepts specification of a new application;

a current load calculation section which calculates current load data based on information obtained by said access monitoring section;

an estimated load calculation section which calculates estimated load data in case of addition of said new application based on current load data calculated by said current load calculation section and based on information obtained by said access monitoring section;

a load data output section which outputs estimated load data calculated by said estimated load calculation section;
and

a configuration setup section which sets up a change in configuration of said storage based on estimated load data calculated by said estimated load calculation section.

6. An information processing system comprising a storage which stores a file, a plurality of information processing apparatuses which are used to operate an application requesting input/output of data stored in a file from said storage, and a management host which manages said storage,

wherein said information processing apparatus comprises:

a file system which processes an access request from said application to said file;

an access monitoring section which monitors an access request sent from said file system to said storage and obtains information about said access request; and

an access information output section which collects information about said access request and adds up said information correspondingly to said application,

wherein said management host comprises:

an acceptance section which accepts specification of a new application;

a current load calculation section which calculates current load data based on information obtained by said access

monitoring section;

an estimated load calculation section which calculates estimated load data in case of addition of said new application based on current load data calculated by said current load calculation section and based on information obtained by said access monitoring section;

a load data output section which outputs estimated load data calculated by said estimated load calculation section; and

a configuration setup section which sets up a change in configuration of said storage based on estimated load data calculated by said estimated load calculation section.

7. A control method of an information processing system comprising an information processing apparatus which is used to operate a plurality of applications to request data input/output from a storage; and a management host which manages said storage, said method comprising the steps of:

monitoring an access request from said application;

obtaining information about said access request for each of said applications;

calculating current load data based on information about said obtained access request;

accepting specification of a new application;

calculating estimated load data in case of addition of said new application based on information about said obtained access request;

calculating estimated load data in case of addition of said new application based on said calculated current load data and information about said obtained access request; and outputting calculated estimated load data.

8. The information processing system control method according to claim 7,

wherein said estimated load data is calculated in case of addition of a new application for each of first and second access process sections to serially process said access request and for possible combinations of configurations of said first and second access process sections.

9. A program to calculate load data in an information processing system comprising an information processing apparatus which is used to operate a plurality of applications to request data input/output from a storage; and a management host which manages said storage,

wherein said program allows said system to function as:

means for monitoring an access request from said application and obtaining information about said access request for each of said applications;

means for calculating current load data based on information about said obtained access request;

means for accepting specification of a new application;

means for calculating estimated load data in case of addition of said new application based on information about said obtained access request;

means for calculating estimated load data in case of addition of said new application based on said calculated current load data and information about said obtained access request; and

means for outputting said calculated estimated load data.

10. The program according to claim 9,

wherein said means for calculating estimated load data calculates estimated load data in case of addition of a new application for each of first and second access process sections to serially process said access request and for possible combinations of configurations of said first and second access process sections.